

PATENT APPLICATION

Attorney Docket No. 1999-0728

WHAT IS CLAIMED IS:

- 1 1. A method for retaining broadband communications, comprising the steps of:
- 2 collecting digitized information packets of a communication session; and
- 3 selecting keywords related to said communication session for subsequently
- 4 searching to find said communication session.
- 1 2. The method according to claim 1, further comprising the steps of:
- 2 determining if said digitized information packets contain voice information;
- 3 and
- 4 converting voice information contained in said digitized information packets
- 5 into related text information.
- 1 3. The method according to claim 2, wherein said step of selecting keywords is
- 2 done automatically.
- 1 4. The method according to claim 3, further comprising the steps of:
- 2 prompting a first party to said communication session to determine preferred
- 3 communication session identification terms and said keywords; and

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4        revising said identification terms and said keywords according to said first  
5 party preference.

1        5.        The method according to claim 4, wherein said digitized information packets  
2 includes outgoing packets for communications sent by said first party and incoming  
3 packets for communications sent by a second party to said first party.

1        6.        The method according to claim 5, further comprising the step of:  
2        determining if approval has been given by said second party to store said  
3 incoming packets for communications sent by said second party.

1        7.        The method according to claim 6, further comprising the step of:  
2        storing to memory at least said outgoing packets of said digitized information  
3 packets.

1        8.        The method according to claim 7, further comprising the step of:  
2        determining if said incoming packets for communications sent by said second  
3 party are to be protected, and if so, protecting said incoming packets.

1        9.        The method according to claim 8, further comprising the step of:

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2 storing said incoming packets to memory.

1 10. The method according to claim 9, further comprising the step of:

2 storing to memory meta information and identification information related to  
3 said communication session.

1 11. The method according to claim 10, wherein said step of converting of said  
2 voice information to text is performed using voice/speech recognition and wherein  
3 said step of selecting keywords is performed using artificial intelligence.

1 12. The method according to claim 1, further comprising the step of:

2 searching a database of communication sessions to find a system user selected  
3 communication session according to search terms provided by said system user.

1 13. The method according to claim 12, further comprising the step of:

2 reconstructing at least a portion of said selected communication session from  
3 said collected digitized information packets; and

4 presenting said reconstructed selected communication session to said system  
5 user for review.

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*INC A2*

1 14. A system, comprising:  
2 a user interactive communication session collection and sort module.

*B1*

1 15. The system according to claim 14, further comprising:  
2 a broadband communication network coupled to said interactive  
3 communication session collection and sort module.

1 16. The system according to claim 15, further comprising:  
2 a customer premises equipment coupled to said interactive communication  
3 session collection and sort module.

*INC A57*

1 17. A broadband communication system, comprising:  
2 a personal communication module that collects and stores communication  
3 sessions selected from the group consisting of telephone calls, multimedia calls, and  
4 instant messages.

1 18. The system according to claim 17, further comprising:  
2 a broadband communication network coupled to said personal communication  
3 module.

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1 19. The system according to claim 19, further comprising:  
2 a customer premises equipment coupled to said personal communication  
3 module.

1 20. The system according to claim 17, wherein said communication session is said  
2 telephone call and speech is digitized and packetized.

1 21. The system according to claim 17, wherein said communication session is said  
2 multimedia call and speech is digitized and packetized.

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1 22. The system according to claim 18, wherein said personal communication  
2 module collects digitized information packets and selects keywords related to said  
3 communication session for subsequently searching to find said communication  
4 session.

1 23. The system according to claim 22, wherein said personal communication  
2 module determines if said digitized information packets contain voice information  
3 and converts voice information contained in said digitized information packets into  
4 text information.

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1 24. The system according to claim 23, wherein selecting keywords is done  
2 automatically.

1 25. The system according to claim 24, wherein the broadband communication  
2 system prompts a first party to said communication session to determine preferred  
3 communication session identification terms and said keywords, and revises said  
4 identification terms and said keywords according to said first party preference.

1 26. The system according to claim 25, wherein said digitized information packets  
2 includes outgoing packets for communications sent by said first party and incoming  
3 packets for communications sent to said first party by a second party.

1 27. The system according to claim 26, wherein said personal communication  
2 module determines if approval has been given by said second party to store said  
3 incoming packets for communications sent by said second party.

1 28. The system according to claim 27, wherein said personal communication  
2 module stores to memory at least said outgoing packets of said digitized information  
3 packets.

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1 29. The system according to claim 28, wherein said personal communication  
2 module determines if said incoming packets for communications sent by said second  
3 party are to be protected, and if so, protecting said incoming packets.

1 30. The system according to claim 29, wherein said personal communication  
2 module stores said incoming packets to memory.

1 31. The system according to claim 30, wherein said personal communication  
2 module stores to memory meta information and identification information related to  
3 said communication session.

1 32. The system according to claim 31, wherein said personal communication  
2 module converts said voice information to text using voice/speech recognition and  
3 selects keywords using artificial intelligence.

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1 33. The system according to claim 18, wherein said personal communication  
2 module includes a database in which said communication sessions are stored, and  
3 searches said database of communication sessions to find a system user selected  
4 communication session according to search terms provided by said system user.

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- 1 34. The system according to claim 33, wherein said personal communication  
2 module reconstructs at least a portion of said selected communication session from  
3 collected digitized information packets and presents said reconstructed selected  
4 communication session to said system user for review.